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We claim:

1. \A collaboration space, comprising:

a place comprising a plurality of rooms linked by pointers;

a member directory for said place identifying users authorized to enter said place; and

each said room comprising one or more pages, and for each said room a members object for identifying members authorized to access said room and for each member a level of authorization.

- 2. The collaboration space of claim 1, said levels of authorization including manager, author, and reader.
- 3 3. The collaboration space of claim 1, said rooms
- 4 including a parent room and a child room, and said pointers

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- 5 comprising forward and backward pointers for enabling the
- 6 security of each said room to be independently managed.
- 1 4. The collaboration space of claim 3, each said forward
- 2 pointer further comprising a readers field, said readers
- 3 field including an access authority for each reader
- 4 authorized to enter said room.
- 5. The collaboration space of claim 3, each said forward pointer being secure pointer.
- 1 6. The collaboration space of claim 5, each said forward
- 2 pointer carrying the same security as that of the subroom to
- 3 which it points.
- 7. The collaboration space of claim 6, further comprising
- a display for presenting to a specific user viewing a parent
- 3 room a listing of its subrooms, said histing including for
- 4 said specific user only those subrooms for which a readers
- 5 field in said forward pointer includes an entry authorizing
- 6 access by said specific user.

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2	an access con	trol list for specifying users who can or
3	cannot access	said database;
J 4	for users aut	horized to access said database, said
5	access contro	l list further specifying access levels
6	and roles det	ermining the specific actions said users
7	are authorize	d to perform, said roles including reader,
8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	author, and m	abager;
	a form select	ively including a form access list;
10	said database	including one or more documents created
11	from said for	m;
12	said form acc	ess list identifying users authorized to
13	read document	s created from said form;
14	each said doc	ument including a document access field
15	selectively i	ncluding a readers field and an authors
16	field for con	trolling who can read\or modify said
17	document; use	rs identified in any satd form access list
18	for said form	from which said document was created
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A database access control system, comprising:

	19	being included in said readers field;					
	20	entries in said readers field granting authorization to					
	21	an individual user equal to or less than the					
	22	authorization for said individual user in said access					
	23	control list; and					
2	24	entries in said authors field selectively granting					
_	25	authorization to a user authorized as an author in said					
	26	access control list to edit a document which said					
. II . II . II . II . II	27	author creates.					
ACTORINA MARIATION ACTOR IN MARIATION							
ACT.	1	9. A method for controlling access to rooms within a					
M. M	2	collaboration place, comprising the steps of:					
C HOUSE	3	maintaining for said collaboration place an access					
J. M., M.	4	control list identifying those users authorized to					
	5	enter said place;					
	6	providing pointers linking said rooms within said					
	7	place, said pointers including forward pointers having					
	8	a readers field;					
	9	displaying a parent room to a specific user, said					
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	10	\ parent room including a list of children rooms for
	11	which said readers fields authorize said specific user
	12	access.
7	1	10. A method for creating a child room within a
ا الأ ب	5 2	collaboration place data base, comprising the steps of:
	3	providing for said data base an access control list
	4	identifying users authorized to access said data base;
	5	providing for said child room a back pointer to a
ACTO BLANCE HOW STORY OF BUILDING MAN	6	parent room; and
81	7	providing at said parent room for said child room a
And Rad Att (Constitution of the	8	forward pointer from said parent room, said pointer
10	9	including a readers access field listing users
	10	authorized to access said child room.
	1	11. The method of claim 10, further comprising the steps
	2	of:
	3	limiting reader access in said readers access field to
	4	said child room for a specific user to no more than th
		LO999047 109

5	access	granted	said	specific	user	in	said	access
6	control	l list.						

- 12. The method of claim 11, further comprising the step of initially including in said readers access field for a child room created from a form users identified in a form access list identifying users authorized to read rooms created from said form.
- 13. A program storage device readable by a machine, tangibly embodying a program of instructions executable by a machine to perform method steps for controlling access to rooms within a collaboration place, said method steps comprising:

maintaining for said collaboration place an access control list identifying those users authorized to enter said place;

providing pointers linking said rooms within said place, said pointers including forward pointers having a readers field; and

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displaying a parent room to a specific user, said parent room including a list of children rooms for which said readers fields authorize said specific user access.

14. An article of manufacture comprising:

a computer useable medium having computer readable program code means ambodied therein for controlling access to rooms within a collaboration place, the computer readable program means in said article of manufacture comprising:

computer readable program code means for causing a computer to effect maintaining for said collaboration place an access control list identifying those users authorized to enter said place;

computer readable program code means for causing a computer to effect providing pointers linking said rooms within said place, said pointers including forward pointers having a readers field; and

computer readable program code means for causing a

computer	to eff	ect	displa	aying	a parent	room	to a	
specific	user,	said	d pare	nt roo	om includ	ding a	list	of
children	rooms	for	which	said	readers	fields	auth	orize
said spec	\							

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15. A computer program product or computer program element for controlling access to rooms within a collaboration place according to the steps of:

maintaining for said collaboration place an access control list identifying those users authorized to enter said place;

providing pointers linking said rooms within said place, said pointers including forward pointers having a readers field;

displaying a parent room to a specific user, said parent room including a list of children rooms for which said readers fields authorize said specific user access.